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(71) Applicant : HITACHI LTD

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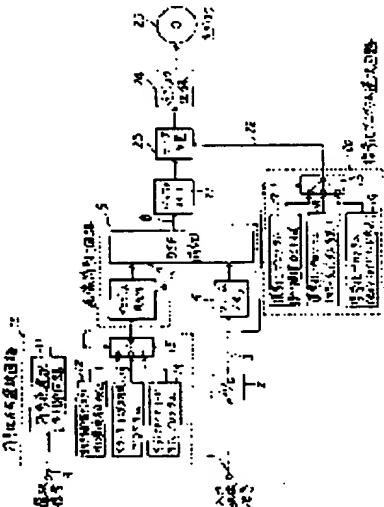
(72) Inventor : SUZUKI HIDEAKI
YASUOKA MASAHIRO
OKAMOTO SADAJI

(54) DIGITAL PICTURE RECORDING AND REPRODUCING SYSTEM

(57) Abstract:

PURPOSE: To improve the encoding efficiency and output picture quality by selecting the optimum encoding system in response to the kind of picture data to be recorded and recording a decoded program data of the decoding system corresponding to the selected encoding system onto a recording medium together with an encoded picture data.

CONSTITUTION: Encoding systems 12-14 with higher data compression ratio are selected in response to an inputted picture data at the recording of a picture data, decoding programs 17-19 corresponding to the encoding systems 12-14 are multiplexed to record the encoded data being the result of encoding by the selected encoding system onto a large capacity recording medium such as an optical disk. Moreover, at the reproduction of the recorded encoding data, the data is decoded by using the recorded decoding program. Thus, the recording/reproduction of the picture data is realized by using the encoding and decoding system proper to the object picture data and even if the statistical property of the picture differs entirely, the picture quality and the encoding efficiency are improved simultaneously.



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